

### In the Claims

The claims have been amended as follows:

1 Claim 1-7 (cancel)

1 Claim 8 (currently amended) A sheet comprising activated, carbonized  
 2 fibrillated lyocell fibers and a microbiological interception enhancing agent~~on a~~  
 3 ~~portion of selected ones of said carbonized fibrillated lyocell fibers, wherein prior~~  
 4 to carbonization said ~~carbonized~~ fibrillated lyocell fibers ~~having~~ have a Canadian  
 5 Standard Freeness of less than about 100 and a fiber diameter of less than or equal  
 6 to about 400nm, said sheet carbonized at a temperature of less than about 600°C,  
 7 said microbiological interception enhancing agent comprising a biologically active  
 8 metal precipitated with a counter ion of a cationic material that is adsorbed on at  
 9 least a portion of said fibers to form a metal colloidal precipitate complex on a  
 10 portion of a surface of at least some of said activated, carbonized fibers.

1 Claim 9 (original) A sheet of claim 8 wherein said sheet is further heated  
 2 to form an activated carbon sheet having a BET surface area of greater than about  
 3 800 m<sup>2</sup>/g.

1 Claim 10 (withdrawn) A sheet of claim 8 wherein the fibrillated fibers have a  
 2 Canadian Standard Freeness of less than about 45 or a fiber diameter of less than  
 3 about 250nm.

1 Claim 11 (withdrawn) A sheet of claim 8 wherein the fibrillated fibers have  
2 a Canadian Standard Freeness of less than about 0 or a fiber diameter of less than  
3 about 250nm.

1 Claim 12 (cancel)

1 Claim 13 (cancel)

1 Claim 14 (withdrawn) A sheet of claim 8 further including active agents  
2 captured therein.

1 Claim 15 (withdrawn) A sheet of claim 14 wherein the active agents comprise  
2 metals, metal salts, metal oxides, glass, alumina, carbon, activated carbon, silicates,  
3 ceramics, zeolites, diatomaceous earth, activated bauxite, fuller's earth, calcium  
4 sulfate, titanium dioxide, magnesium hydroxide, manganese oxides, magnesia,  
5 perlite, talc, clay, bone char, pitch, calcium hydroxide, calcium salts, or  
6 combinations thereof.

1 Claim 16 (cancel)

1 Claim 17 (withdrawn) A sheet of claim 8 wherein the fibrillated fibers are  
2 admixed with active agents, and made into a paper prior to carbonization.

1 Claim 18 (withdrawn) A sheet of claim 8 wherein said sheet is used as an  
2 electrode.

1 Claim 19 (withdrawn) A sheet of claim 8 further including a catalyst or a  
2 catalyst support.

1 Claim 20 (original) A filter medium comprising the sheet of claim 8.

1 Claim 21 (currently amended) A sheet comprising activated, carbonized  
2 fibrillated lyocell fibers and a microbiological interception enhancing agent  
3 comprising a biologically active metal precipitated with a counter ion of a cationic  
4 material on at least a portion of said fibers to form a metal colloidal complex on a  
5 portion of a surface of at least some ~~on a portion of selected ones of said activated,~~  
6 carbonized fibrillated lyocell fibers, said fibrillated lyocell fibers having a BET  
7 surface area of greater than about 800m<sup>2</sup>/g, wherein prior to carbonization and  
8 activation, the fibrillated fibers have a Canadian Standard Freeness of less than about  
9 100 or a fiber diameter of less than or equal to about 400nm and wherein activation  
10 occurs in less than or equal to about 30 minutes at a temperature greater than about  
11 875°C in an oxidizing atmosphere.

1 Claim 22 (withdrawn) A sheet of claim 21 wherein the fibrillated fibers have a  
2 Canadian Standard Freeness of less than about 45 or a fiber diameter of less than  
3 about 250nm.

1 Claim 23 (withdrawn) A sheet of claim 21 wherein the fibrillated fibers have a  
2 Canadian Standard Freeness of less than about 0 or a fiber diameter of less than  
3 about 250nm.

1 Claim 24 (withdrawn) A sheet of claim 21 wherein the fibrillated fibers  
2 comprise polymers, liquid crystal polymers, engineered resins, cellulose, rayon,  
3 ramie, wool, silk, or combinations thereof.

1 Claim 25 (cancel)

1 Claim 26 (withdrawn) A sheet of claim 21 further including active agents  
2 captured therein.

1 Claim 27 (withdrawn) A sheet of claim 26 wherein the active agents comprise  
2 metals, metal salts, metal oxides, glass, alumina, carbon, activated carbon, silicates,  
3 ceramics, zeolites, diatomaceous earth, activated bauxite, fuller's earth, calcium  
4 sulfate, titanium dioxide, magnesium hydroxide, manganese oxides, magnesia,  
5 perlite, talc, clay, bone char, pitch, calcium hydroxide, calcium salts, or  
6 combinations thereof.

1 Claim 28 (withdrawn) A sheet of claim 21 wherein the fibrillated fibers are  
2 admixed with active agents, and made into a paper prior to carbonization and  
3 activation.

1 Claim 29 (withdrawn) A sheet of claim 21 further including a catalyst or a  
2 catalyst support.

1 Claim 30 (cancel)

1 Claim 31 (withdrawn) A filter medium comprising the sheet of claim 21.

1 Claim 32 (currently amended) A sheet comprising activated, carbonized  
2 fibrillated fibers and a microbiological interception enhancing agent on a portion of  
3 selected ones of said fibrillated fibers, said fibrillated fibers having a Canadian  
4 Standard Freeness of less than about 45 or a fiber diameter of less than or equal to  
5 about 250nm, and active agents captured within said carbon sheet, said active  
6 agents present in an amount greater than about 10 weight percent of a total weight  
7 of said sheet.

1 Claim 33 (withdrawn) A sheet of claim 32 wherein the active agents comprise  
2 metals, metal salts, metal oxides, glass, alumina, carbon, activated carbon, silicates,  
3 ceramics, zeolites, diatomaceous earth, activated bauxite, fuller's earth, calcium  
4 sulfate, titanium dioxide, magnesium hydroxide, manganese oxides, magnesia,

5 perlite, talc, clay, bone char, pitch, calcium hydroxide, calcium salts, or  
6 combinations thereof.

1 Claim 34 (withdrawn) A sheet of claim 32 wherein said active agents are  
2 present in an amount of greater than 50 weight percent.

1 Claim 35 (withdrawn) A sheet of claim 32 wherein said active agents have a  
2 particle size of less than about 50  $\mu\text{m}$  and are present in an amount of greater than  
3 97 weight percent.

1 Claim 36 (withdrawn) A sheet of claim 32 wherein said sheet is used as an  
2 electrode.

1 Claim 37 (withdrawn) A sheet of claim 32 further including a catalyst or a  
2 catalyst support incorporated therein.

1 Claim 38 (cancel)

1 Claim 39 (withdrawn) A filter medium comprising the sheet of claim 32.

1 Claim 40 (withdrawn) A sheet comprising activated, carbonized fibrillated  
2 fibers and a microbiological interception enhancing agent on a portion of selected  
3 ones of said fibrillated fibers, wherein the fibrillated fibers have a Canadian Standard

4    Freeness of less than about 45, a diameter of less than or equal to about 250nm, and  
5    active agents captured therein, wherein the active agents are present in an amount  
6    greater than about 10 weight percent of a total weight of said sheet.

1    Claim 41 (withdrawn)      A sheet of claim 40 wherein the active agents comprise  
2    metals, metal salts, metal oxides, glass, alumina, carbon, activated carbon, silicates,  
3    ceramics, zeolites, diatomaceous earth, activated bauxite, fuller's earth, calcium  
4    sulfate, titanium dioxide, magnesium hydroxide, manganese oxides, magnesia,  
5    perlite, talc, clay, bone char, pitch, calcium hydroxide, calcium salts, or  
6    combinations thereof.

1    Claim 42 (withdrawn)      A sheet of claim 40 further including a catalyst or a  
2    catalyst support.

1    Claim 43 (cancel)

1    Claim 44 (withdrawn)      A filter medium comprising the sheet of claim 40.

1    Claims 45-84 (cancel)

2    Claim 85 (currently amended)    A sheet comprising activated, carbonized  
3    fibrillated fibers having a microbiological interception enhancing agent on at least a  
4    portion of at least some ~~selected ones~~ of said fibrillated fibers, said microbiological

5 interception enhancing agent comprising a biologically active metal precipitated  
6 with a counter ion of a cationic material that is adsorbed on said at least portion of  
7 ~~said selected ones of~~ said fibrillated fibers to form a metal colloidal complex on a  
8 portion of a surface of at least some of said activated, carbonized fibrillated fibers.

1 Claim 86 (currently amended) The sheet of claim 85 wherein prior to  
2 carbonization said fibrillated fibers have a Canadian Standard Freeness of less than  
3 about 100.

1 Claim 87 (currently amended) The sheet of claim 85 wherein prior to  
2 carbonization said fibrillated fibers have a Canadian Standard Freeness of less than  
3 about 45.

1 Claim 88 (currently amended) The sheet of claim 85 wherein prior to  
2 carbonization said fibrillated fibers have a Canadian Standard Freeness of less than  
3 about 0.

1 Claim 89 (currently amended) The sheet of claim 85 wherein prior to  
2 carbonization said fibrillated fibers have a fiber diameter of less than about 250nm.

1 Claim 90 (withdrawn) The sheet of claim 85 further including active agents  
2 captured therein.



1 Claim 91 (withdrawn) The sheet of claim 85 further including a catalyst or  
2 a catalyst support.

1 Claim 92 (Previously Presented) The sheet of claim 85 wherein said cationic  
2 material is selected from the group consisting of a colloid, a charged molecule, and  
3 a linear or branched polymer having positively charged atoms along a length of said  
4 polymer chain having said counter ion associated therewith.

1 Claim 93-100 (cancel)

1 Claim 101 (currently amended) A sheet comprising activated, carbonized  
2 fibrillated lyocell fibers having a microbiological interception enhancing agent on at  
3 least a portion of at least some ~~selected ones~~ of said fibrillated fibers, said  
4 microbiological interception enhancing agent comprising a biologically active  
5 metal precipitated with a counter ion of a cationic material that is adsorbed on said  
6 at least ~~portion of said selected ones of~~ said fibrillated fibers to form a metal  
7 colloidal complex on a portion of a surface of at least some of said activated,  
8 carbonized fibrillated fibers.

1 Claim 102 (currently amended) The sheet of claim 101 wherein prior to  
2 carbonization said fibrillated fibers have a Canadian Standard Freeness of less than  
3 about 100.

1 Claim 103 (currently amended) The sheet of claim 101 wherein prior to  
2 carbonization said fibrillated fibers have a Canadian Standard Freeness of less than  
3 about 45.

1 Claim 104 (currently amended) The sheet of claim 101 wherein prior to  
2 carbonization said fibrillated fibers have a Canadian Standard Freeness of less than  
3 about 0.

1 Claim 105 (currently amended) The sheet of claim 101 wherein prior to  
2 carbonization said fibrillated fibers have a fiber diameter of less than about 250nm.

1 Claim 106 (withdrawn) The sheet of claim 101 further including active agents  
2 captured therein.

1 Claim 107 (withdrawn) The sheet of claim 101 further including a catalyst or a  
2 catalyst support.

1 Claim 108 (Previously Presented) The sheet of claim 101 wherein said cationic  
2 material is selected from the group consisting of a colloid, a charged molecule, and  
3 a linear or branched polymer having positively charged atoms along a length of said  
4 polymer chain having said counter ion associated therewith.